

Appl. No.: 10/054,755

Reply to *Ex parte Quayle* Action of January 9, 2007

### AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims

1. (Currently amended) A rotary pump, comprising:

~~1. — A rotary pump comprising:~~

a main casing;

a casing cover cooperated with said main casing for defining a pumping chamber there between;

a pair of rotors received within said pumping chamber with mutually meshing pumping segments for synchronous revolution in mutually opposite directions;

a space being defined in one portion of said casing cover;

a cover piston being disposed within said space for movement back and forth with respect to an end surface of said rotor and being connected to one end surface of a piston rod of an air cylinder;

said air cylinder being mounted on said casing cover and comprising a piston;

at least one port being communicated with forward drive side and reverse drive side cylinder chambers and defined on both sides of the said piston of said air cylinder.

2. (Canceled)

Appl. No.: 10/054,755

Reply to *Ex parte Quayle* Action of January 9, 2007

3. (Currently Amended) A rotary pump, comprising:

- a main casing;
- a casing cover cooperated with said main casing for defining a pumping chamber there between;
- a pair of rotors received within said pumping chamber with mutually meshing pumping segments for synchronous revolution in mutually opposite directions;
- a space being defined in one portion of said casing cover;
- a cover piston being disposed within said space for movement back and forth with respect to an end surface of said rotor and being connected to one end surface of a piston rod of an air cylinder;
- said air cylinder being mounted on said casing cover and comprising a piston;
- at least one port being communicated with forward drive side and reverse drive side cylinder chambers and defined on both sides of the said piston of said air cylinder.
- a lock cylinder having a lock bolt being mounted on said air cylinder;
- the other end surface of said piston rod of said air cylinder being abutted to said lock bolt for restricting movement of said cover piston by said lock bolt.

4-5. (Canceled)